Single Cup Brewer
Service Manual
Model RC400

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MODEL: RC400

Prior authorization must be obtained from GMCW for all warranty claims.

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ENGLISH

Safety Precautions

Important Safety Information

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

For your safety and the safety of others, read all warnings and the operator's manual before installing or using the product.
DANGER: This term warns of imminent hazard that will result in serious injury or death.
WARNING: This term refers to a potential hazard or unsafe practice, which could result in serious injury.
CAUTION: This term refers to a potential hazard or unsafe practice, which could result in minor or moderate injury or property damage.
NOTICE: This term refers to information that needs special attention or must be fully understood.

⚠ DANGER

To prevent the possibility of electrocution, burns, or other injuries and to prevent damage to your brewer, do not immerse in water or any cleaning liquids.

Do not operate a damaged brewer. Inspect the power supply cord and water supply often. If cord or plug is damaged or worn, do not use your brewer. Turn off the water supply and disconnect the electrical power.

Turn off and unplug the brewer before cleaning or maintenance.

Risk of suffocation. The product packaging contains a plastic bag. Keep plastic bags away from children.

Disconnect power if the machine functions abnormally and notify qualified service personnel for repairs. Do not permit non-qualified service personnel to attempt repairs. No user serviceable components inside the brewer. Do

⚠ WARNING

Brew probes are sharp. To prevent injury, do not place fingers inside the brew chamber.

The brewer must only be connected to a three wire 120 VAC, 60 Hz, 15 Amp, electrical circuit.

Allow brewer to cool before cleaning or maintaining.

⚠ CAUTION

Risk of burns. The brewer uses 185°F- 200°F water that, if not properly handled, could cause burns. Do not permit children to use this appliance unless there is direct adult supervision. Keep away from pets and other animals.

For indoor use only. Do not install or use outdoors, in moving equipment, or watercraft.

Use the product for its intended purpose only. Any other usage is inappropriate and may be dangerous. The manufacturer assumes no responsibility for injury, loss or damage resulting from improper machine use.

To avoid the risk of burns, do not operate without bezel installed.

Hot surfaces may cause burns. Do not touch the brewer while in operation.

To prevent scalding by hot water, do not open brew chamber while brewing.

To prevent scalding by hot water, do not move or tilt the brewer. Moving or tilting the brewer could result in water spilling from the reservoir. Internal boiling is possible at high elevations. You must reduce temperature set point below boiling point for your elevation.

To avoid scalding, use appropriate cup rest to minimize splash. Allow a minimum of 1/2" clearance between cup rim and brewer dispense spout to prevent spills when removing a full cup. Center cup with dispense spout while brewing and allow brewer cycle to complete before opening brew chamber or removing cup.

To avoid pinching, keep fingers clear of brew chamber when closing.

NOTICE

For best results, remove used Real Cup™ capsule from brew chamber when brewing is complete.

Avoid spills by not removing the reservoir while Auto-Fill unit is filling; allow complete filling cycle before removing reservoir.

A qualified professional should perform installation, maintenance and repairs.

Installation, maintenance or repairs by unqualified personnel may damage the brewer and void the manufacturer's warranty.

This equipment must be installed in accordance with the appropriate national and local codes of the country and/or region in which the appliance is installed.

Contact the manufacturer to report any malfunction of or damage to the brewer.

When turning the machine off for an extended period, be sure to evacuate the water inside the piping completely, otherwise the water inside the machine could freeze and lead to damage or cause mold to appear.

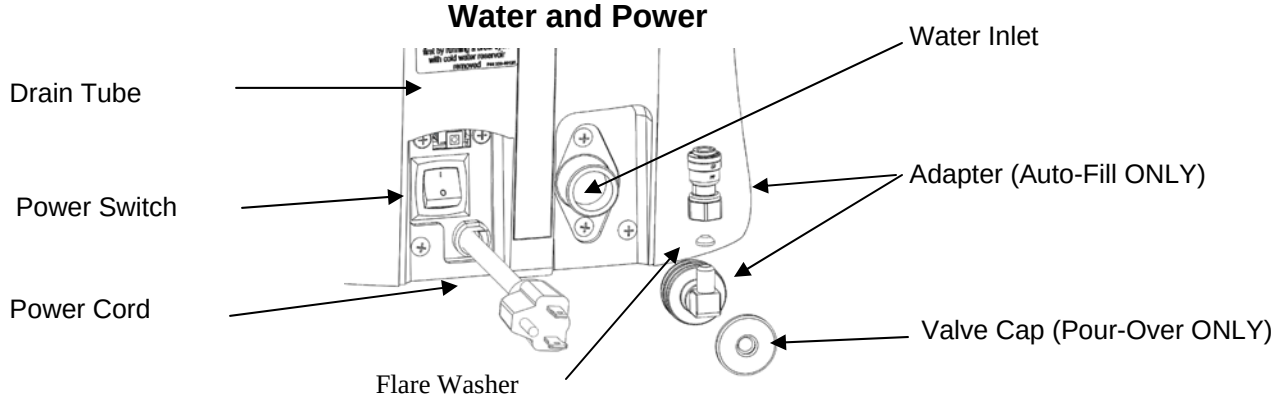
To reduce foreign material from entering the brewer, keep brew chamber and reservoir lids closed.

Installation

Where to Install

Brewer should be installed on a firm, stable, level surface. Keep away from pets. Provide supervision for unattended children and assistance for others that require help to operate the brewer.

Water and Power



Water Supply

NOTICE: The brewer is designed to operate with water pressures from 10 psig up to 100 psig. Grindmaster requires the use of an external water filter such as Water Filter Kit P/N 250-00034. The filter mounts on the rear surface of the brewer.

Installation (continued)
Power Supply

⚠ WARNING

Disconnect power if the machine functions abnormally and notify qualified service personnel for repairs. Do not permit non-qualified service personnel to attempt repairs.

No user serviceable components inside the brewer. Do not disassemble brewer.

⚠ Notice

This appliance is equipped with a three wire power cord. A dedicated three wire 120V, 15A NEMA 5-15 electrical circuit must be used.

1. A dedicated 120 VAC, 60 Hz, 15 Amp, type 5-15, electrical circuit is required for proper operation.
2. Always unplug machine before servicing or maintaining the machine.
3. Place power switch in OFF position and plug power cord into the dedicated three wire 120V, 15A, NEMA 5-15 electrical circuit

Set-Up

Priming the internal hot water tank

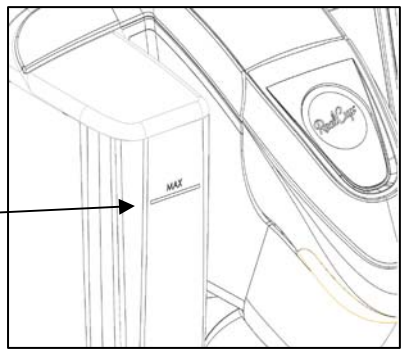
NOTE: The brewer will not operate until the hot water tank is primed.
Please follow these procedures to ensure proper installation.

Pour- Over version	Auto-Fill version
1. Ensure that the water inlet valve cap supplied with the machine is installed on the water inlet valve to prevent leaking.	1. Plumb water to the fill valve located on the back of the brewer. A ¼" female flare x ¼" tube adapter as well as a ¼" flare x hose adapter provided with the brewer. **Do not use reverse osmosis water.**
2. Open reservoir lid.	2. Open water service valve.
3. Fill reservoir with tap or bottled water to the level indicated on reservoir. **Do not use distilled water.**	3. Plug unit into a 120V/15 amp receptacle. Turn main power switch to ON.
4. Plug unit into a 120V/15 amps receptacle. Turn main power switch to ON.	4. Reservoir will automatically fill.
5. Place a cup in the drip tray of the unit to collect the water from the priming operation.	5. Place a cup in the drip tray of the unit to collect the water from the purging operation.
6. The screen will display "Prime Brewer", press BREW button continue until screen displays "Lift to Brew".	6. The screen will display "Prime Brewer", press BREW button continue until screen displays "Lift to Brew".
7. Refill the reservoir to the appropriate level.	7. Allow brewer to reach brewing temperature.
8. Allow brewer to reach brewing temperature.	

Note: Auto-Fill ONLY:

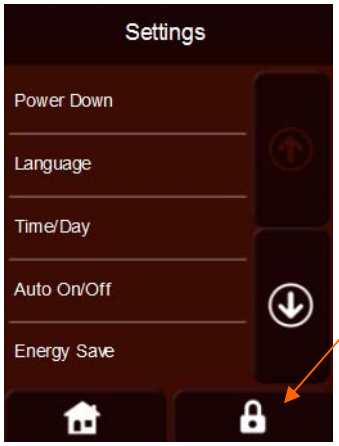
The water is supplied directly to the unit and the water fill level marking is not used. Operation is not affected by the water being below the fill line.

Fill Level



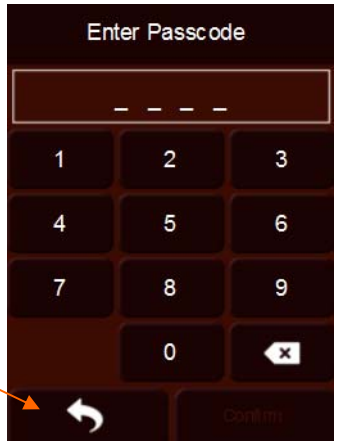
Advance Settings:

The advance setting feature is available to authorized service agents only. It allows changes beyond the skills of the regular end user. It is only accessible via a passcode and allows the technician to change the passcode, change beverage options, beverage size options, water temperature, brew count, review error messages, modify service contact information, and adjust dispense volumes.



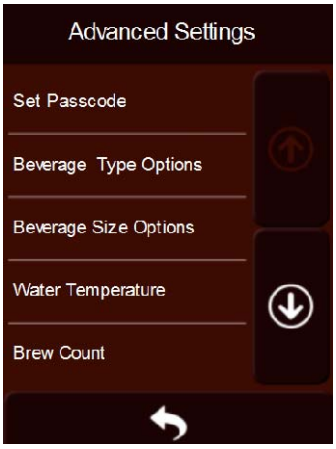
This icon allows to enter the advanced settings

This icon allows to go back to the "Lift to Brew" screen.



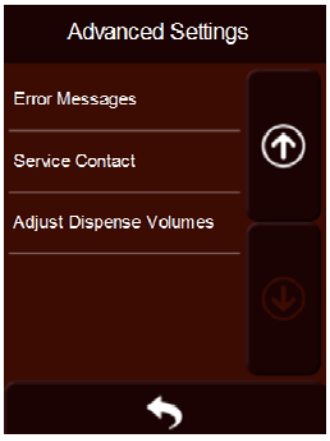
To access the advanced settings screen, type in the factory default passcode: 0400

The brewer brings you to the Advance Settings screen



There are eight options within the Advance Settings Menu:

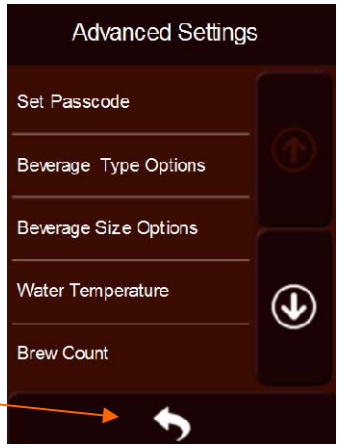
- Set passcode
- Beverage Type Options
- Beverage Size Options
- Water Temperature
- Brew Count
- Error Messages
- Service Contact
- Adjust Dispense Volumes



Allows to go back to main set up screen, on previous page, without saving changes.

Confirm

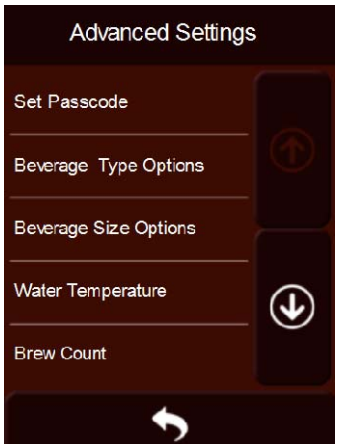
Allows to go back to main set up screen, on previous page, and save changes.

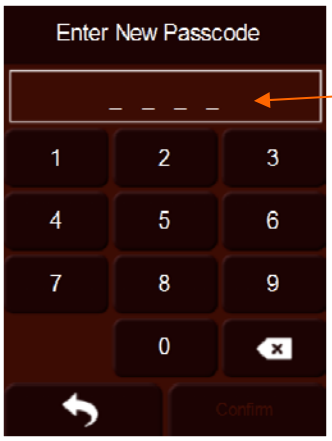


This selection takes you back to the basic settings screen.

Setting a new passcode:

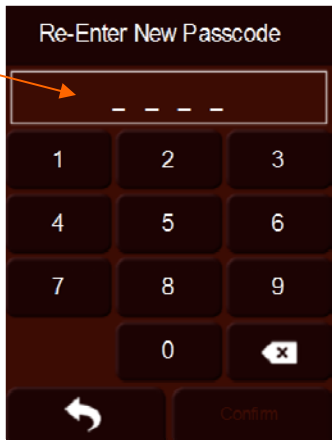
Select "Set Passcode"





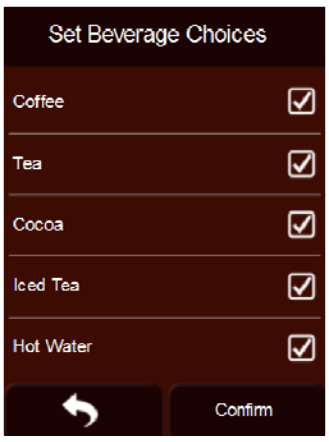
Enter new Passcode

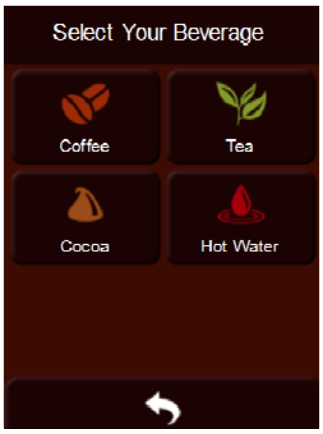
Re-Enter new Passcode

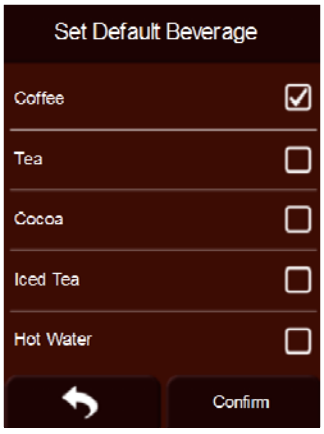


Changing Beverage Type:

NOTE: Factory Default beverage is COFFEE





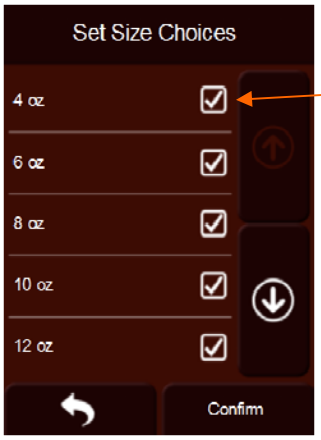


☑ Depicts selected beverages. Unselected beverages will not show on Beverage selection

Note that if you had unselected "Ice Tea" the selection would not show up on the Select Your Beverage screen.

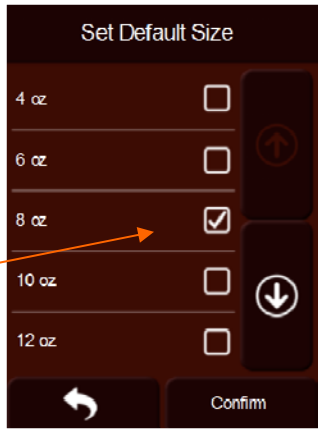
To set default beverage, select the one of choice. The selection will remain highlighted to indicate it being the default.

Changing Beverage Size:



Select or deselect a size to enable/ disable

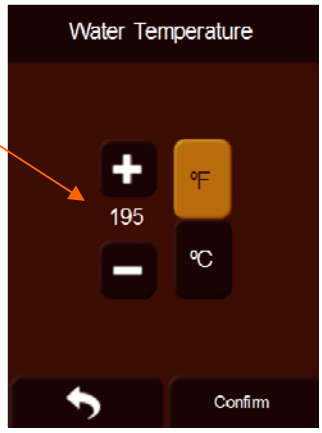
Select a size to set as default size. The selection will remain highlighted to indicate it being the default.



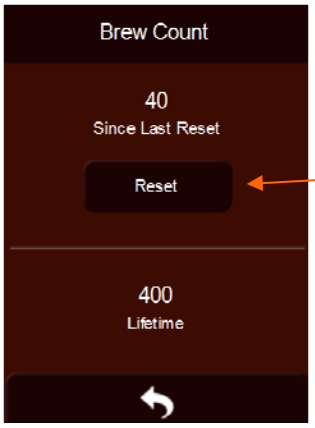
NOTE: Factory default size is 8 oz

Changing Water Temperature:

Press "+" or "-" to increase/ decrease water temperature



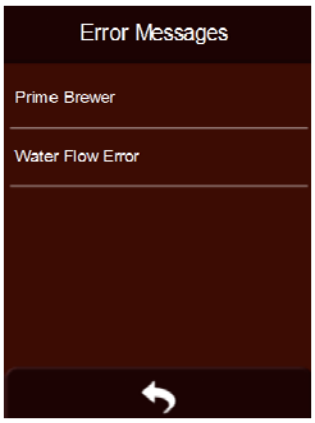
Changing Brew Count:

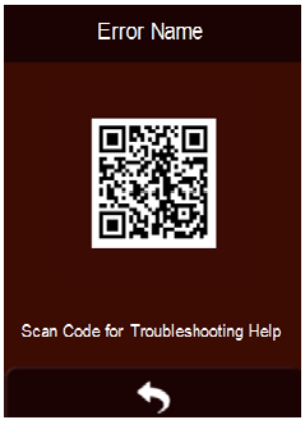


Allows to reset the counter

NOTE: Factory default of water temperature is 195 °F

Error Messages:



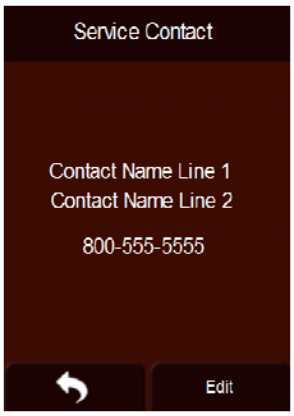


Returns to "Error Messages"

Confirm — Allows to go back to advance settings menu without saving changes.

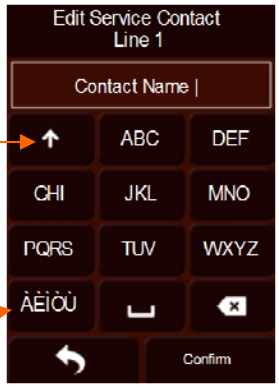
Edit Service Contact

A series of screens (with different characters that may be required) will allow you to change Service Contact information. There are two lines for name and address and one line for phone number.



By selecting this icon, you switch from upper case to lower case.

By selecting this icon, you switch from English to French/Spanish characters.



Upper case

Lower case

By selecting this icon, you switch from upper case to lower case.

Once you are in the French/ Spanish screen, if you press this symbol, you will go to the number screen.

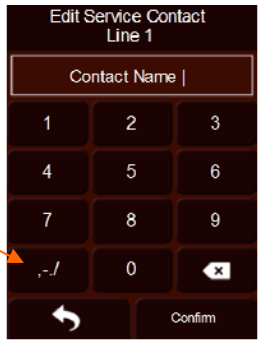
Upper case

Lower case

ENGLISH

Edit Service Contact Name (continued):

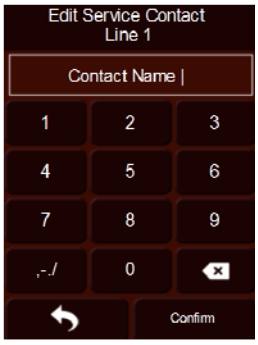
Once you are in the number screen, if you press this symbol, you will go to the character screen.



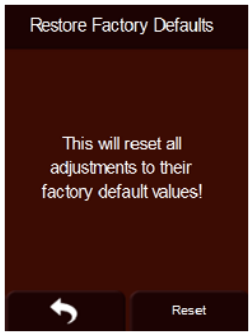
Once you are in the character screen, if you press this symbol, you will go to the English characters screen.

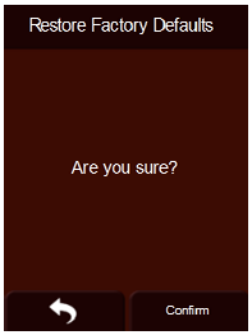
Editing Service Contact Number:

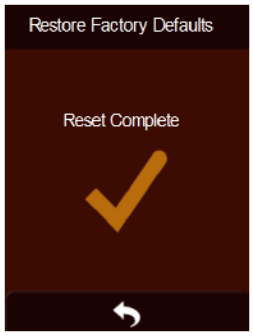
Input new number using numeric screen



Reset Factory Default:







When in Restore Factory Default, if you select reset, the brewer will ask you to confirm. If you confirm, the brewer will display a screen indicating that the reset is complete.

Brew Button Color Indications:

RED-BLUE-GREEN: The initial start does a RED-BLUE-GREEN sequence.

GREEN: When in the brew selection screen AND the hot tank is at temperature, it is steady green. It is also steady green at the end of a dispense. It pulses green during a dispense.

ORANGE: When in “Lift to Brew”, the instructions screens, the basic settings screens or the More Options screen AND the hot tank is at temperature, it is steady Orange.

YELLOW: If the brew chamber is open or the display is in the advance settings, the brew button will show yellow.

RED: When the brew is heating in many screens, it will pulse red. If there is a fault, it will flash red.

AQUA: When the hot tank is low, it is steady on. When the reservoir is low or removed, it flashes.

Adjusting Brew Volumes:

This option will allow you to change Brew Volumes factory default as much as ten percent. You will be able to go up ten percent or down ten percent.

Example: For 10 oz, if you adjust to +10, it will set the volume to 11 oz. If on the other hand, you adjust to –10, then the volume will be 9 oz.

Servicing:

This section covers basic instructions for replacing normally serviceable parts.

1) Replacing inlet or outlet probe seals.

⚠ Warning

Brew probes are sharp. To prevent finger injury be careful when servicing inlet and outlet probe seals.

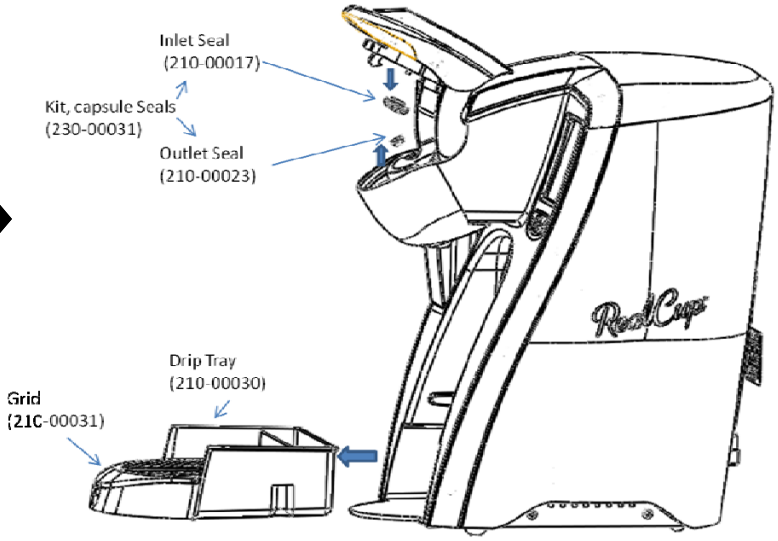
Open brew chamber, pull inlet probe seal (located on underside of brew chamber and surrounding the inlet probe) away from probe. Replace seal by carefully pushing the new one onto the probe. Push on sides of seal to prevent finger injury.

To replace outlet seal, reach into the brew cup with needle nose pliers, pull seal away from the probe. To replace, gently push on edges of seal (care should be taken not to push on probe) with needle nose pliers until seal bottoms out on cup.

2) Replacing drip tray assembly:

Pull drip tray assembly away from brewer. To replace, line up drip tray with internal walls of brewer and slide into until tray hit rear wall of cavity.

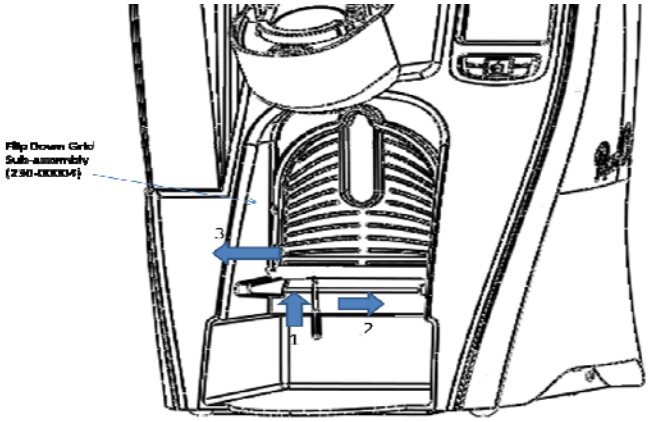
(See figure below for items 1 and 2)



Servicing (continued):

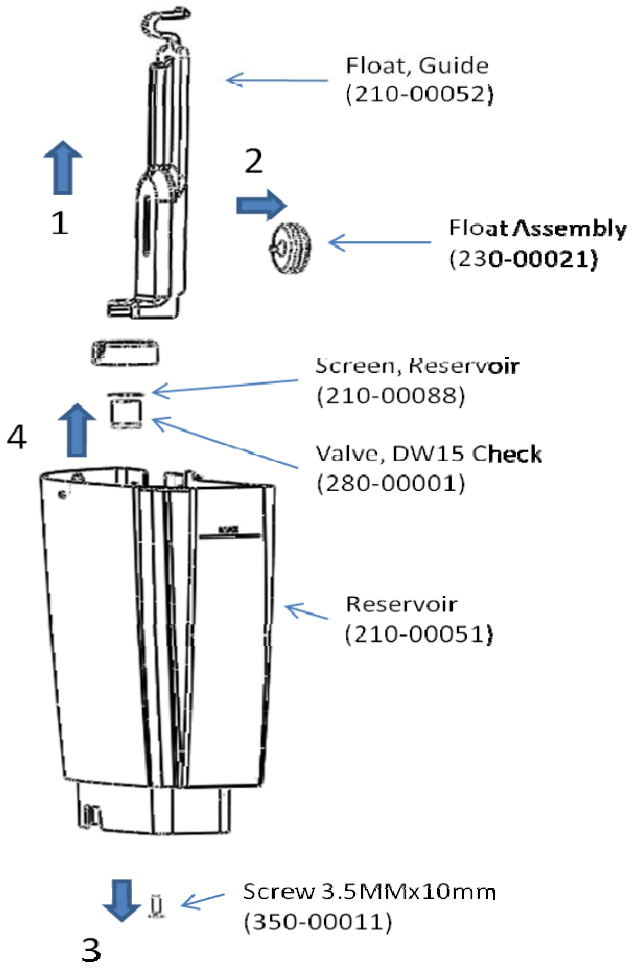
3) Replacing flip down Grid assembly.

To replace the grid sub-assembly, follow the steps as outlined below with the use of a small flat head screwdriver.



4) Replacing reservoir components.

To replace reservoir components, first remove reservoir from brewer. Follow the steps as outlined below.

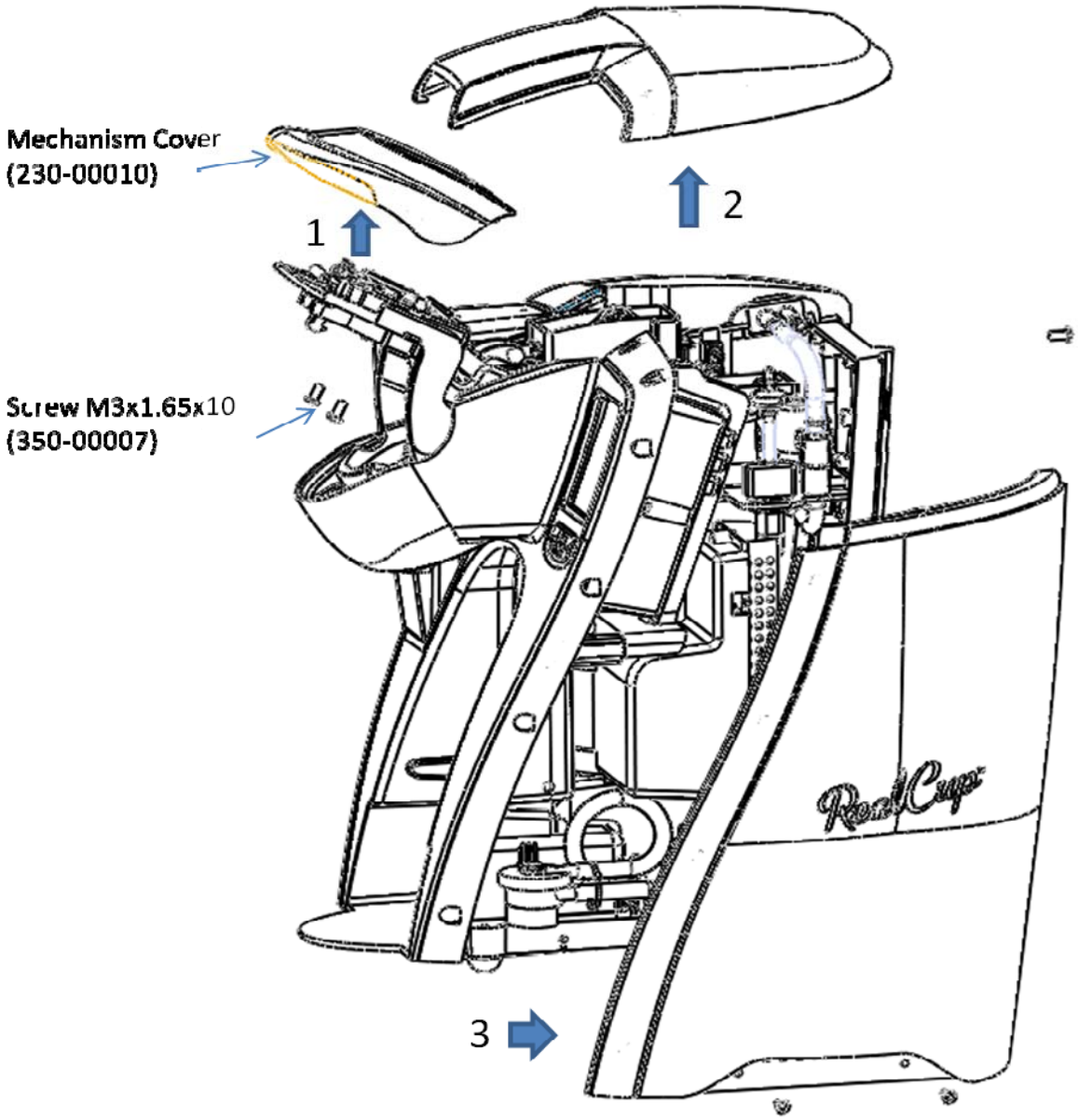


Servicing (continued):

⚠ Warning

The next section covers instructions for replacing internal components in the brewer. Always unplug machine before servicing any internal parts.

5) Servicing internal brewer components. In order to service any of the components in the following section, you will first have to gain access to the interior of the brewer. Follow the instructions below to gain access. Remove the panels following the sequence outlined below. For reassembly, execute the sequence in reversed order. You will need a Phillips screw driver.



Servicing (continued):

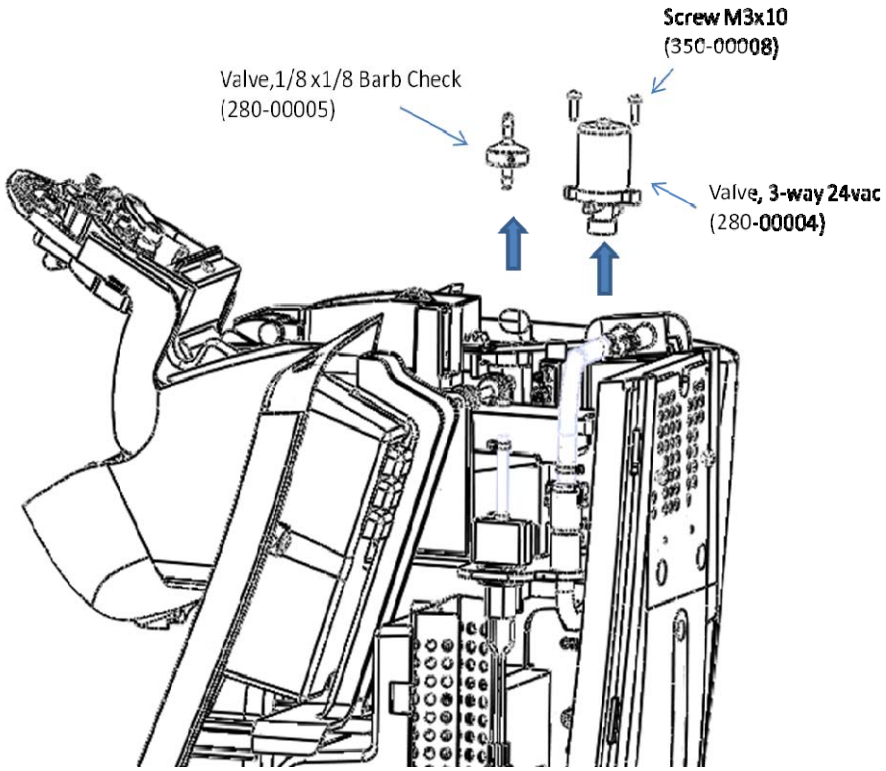
5a) Servicing check valve or 3-way valve. These two components are located on the upper rear section of the brewer.

- To replace the check valve:
    1. Cut strain relief straps using wire cutters.
    2. Pull inner and outer tubes away from check valve using needle nose pliers.

Follow the sequence in reverse when replacing. Make sure tubing is secured and new straps are installed. Check for leaks by running brewer.

- To replace 3-way valve:
    1. Disconnect the two black wires on the solenoid from the main wire harness. You may have to cut the strain relief strap.
    2. Cut strain relief straps located on inlet and outlet tubing using wire cutters
    3. Remove tubing from the inlet and two outlet ports.
    4. Unscrew the valve from the base.

Follow the same sequence in reverse to reassemble. Please make sure new strain relief straps are installed on inlet, outlet ports, and main wire harness. Check for leaks by running the brewer.



Servicing (continued):

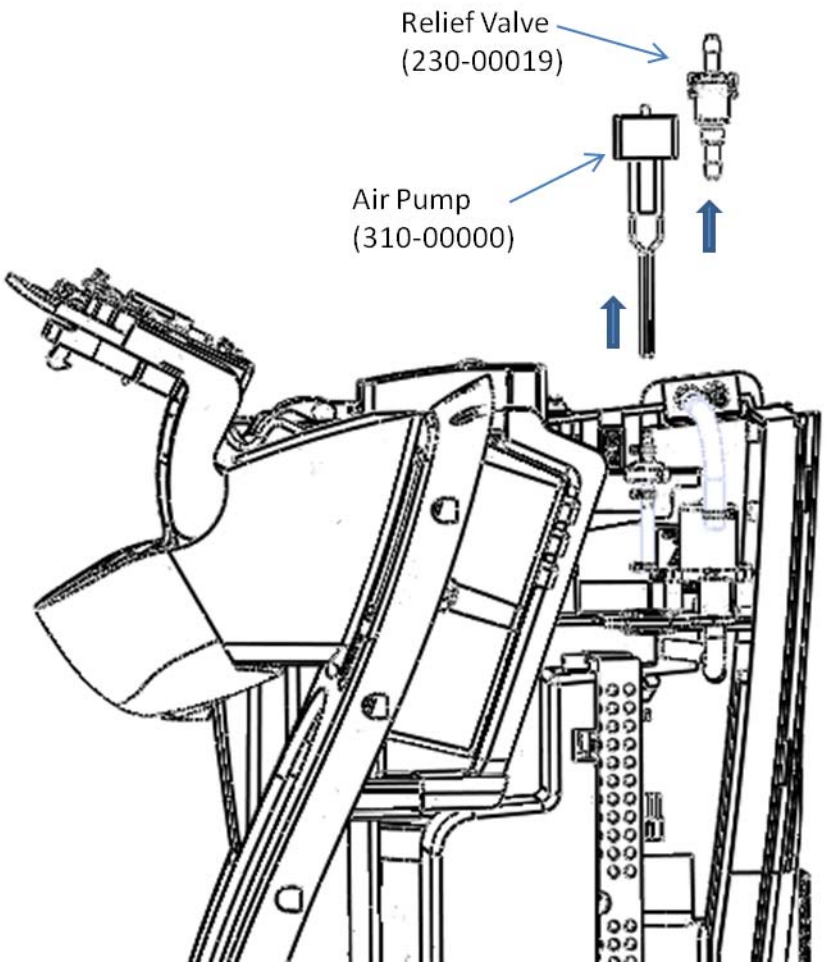
5b) Servicing air pump and relief valve. These two components are located on the upper rear section of the brewer, to the left of the 3-way valve when viewed from rear.

- To replace the air pump:
    1. Cut the strain relief on the top of the air pump.
    2. Disconnect tubing going to check valve.
    3. Lift air pump from its grommet.

Follow the sequence in reverse when replacing. Make sure tubing is secured and new straps are installed.

- To replace the relief valve:
    1. Cut the strain relief on the side of the relief valve going to the 3-way valve.
    2. Disconnect tubing going to 3-way valve.
    3. Gently lift the relief valve from its cradle. Cut the strain relief on the lower tube.
    4. Disconnect the lower tube and raise valve away from home base.
    5. Cut the strain relief on the upper tube.
    6. Disconnect upper tube.

Follow the same sequence in reverse to reassemble. Please make sure new strain relief straps are installed on all three tubes. Check for leaks by running the brewer.



Servicing (continued):

5c) Servicing flow meter and water pump. These two components are located on the lower left area of the brewer when viewed from rear.

- To replace the flow meter:

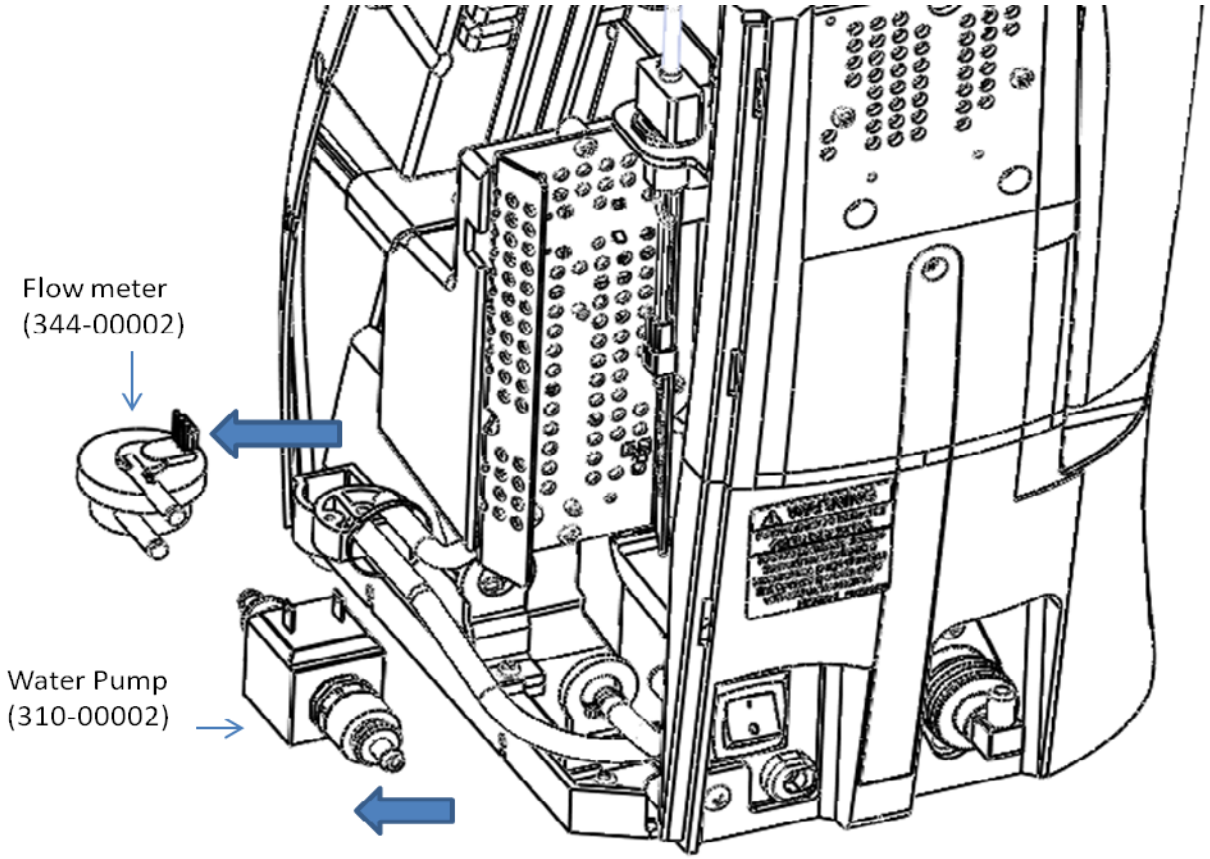
    1. Disconnect wire connector on the top of the flow meter.
    2. Cut the strain reliefs on both inlet and outlet of flow meter.
    3. Disconnect the tubing from both inlet and outlet ports.
    4. Pull up on flow meter to remove from cradle.

Follow the sequence in reverse when replacing. Make sure tubing is secured and new straps are installed. Check for leaks.

- To replace the water pump:

    1. Disconnect wire connector on the top of the water pump.
    2. Cut the strain reliefs on both inlet and outlet of water pump.
    3. Disconnect the tubing from both inlet and outlet ports.
    4. Remove water pump.

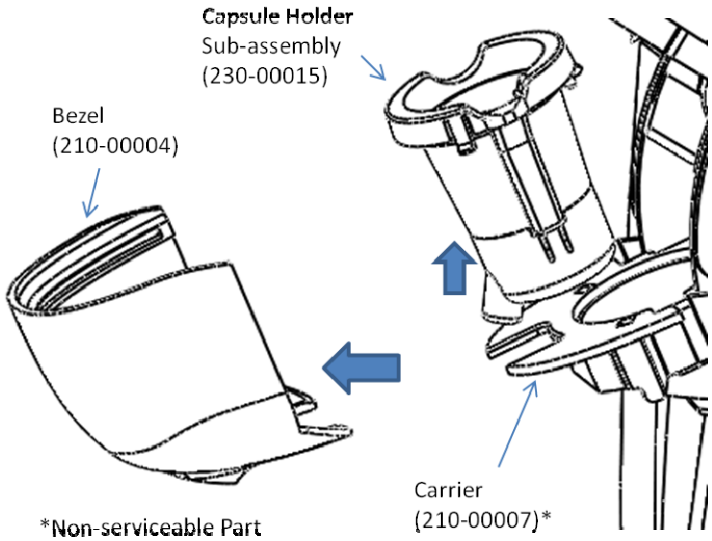
Follow the same sequence in reverse to reassemble. Please make sure new strain relief straps are installed. Check for leaks by running the brewer.



Servicing (continued):

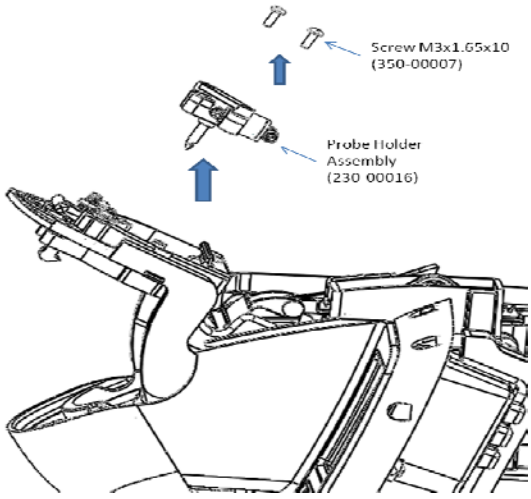
5d) Servicing Bezel and Capsule Holder. These two components are located in the brew chamber.

- To replace the Bezel. Pull on one of the rear corners and pull part away from the lip of the carrier. To replace, line up the slot on the bezel with the lip of the carrier, rotate, and snap into position.
- To replace the Capsule holder. Push the base of the capsule holder with one of your index fingers to unsnap the part from the carrier. To replace, place in carrier and snap the part into the carrier.



5e) Servicing Probe Holder assembly. This assembly is also located in the brew chamber. Follow the directions below to service:

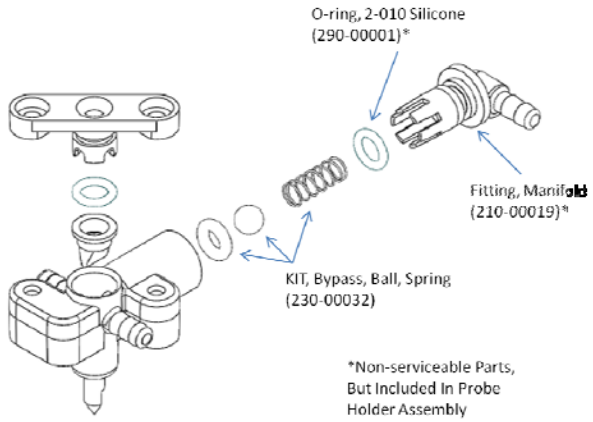
- Cut the strain relief straps from inlet and outlet
- Remove both tubes from inlet and outlet
- Remove the two screws that secure probe holder assembly to carrier.



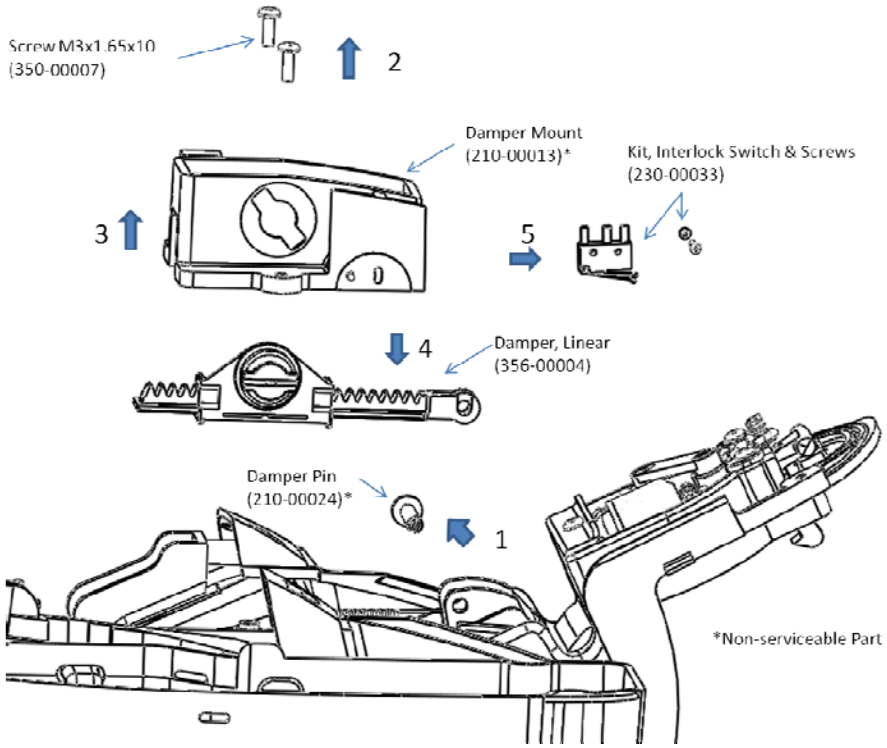
Servicing (continued):

The sketch below shows the bypass kit on the probe holder assembly. To service by pass on probe holder assembly:

- Pull the Manifold Fitting away from the probe holder.
- Remove the bypass parts.
- Replace the spring, ring, and ball as shown. Please make sure that the spring is sitting properly inside of the manifold fitting. If is not, the bypass will not operate properly.

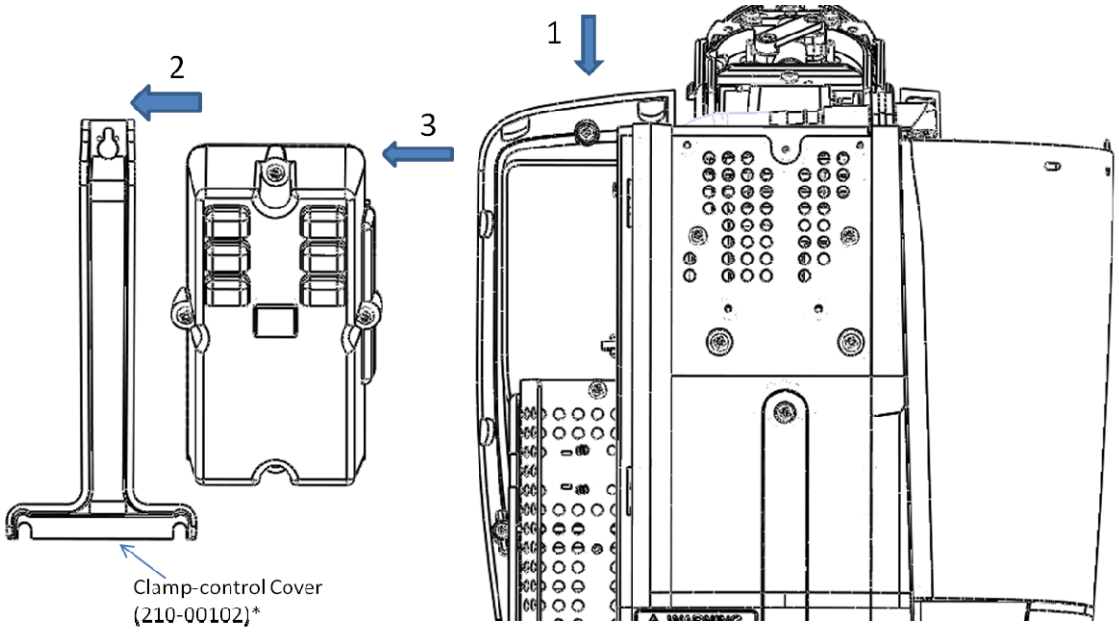


5f) Servicing the Linear Damper and the Interlock Switch. This assembly is located behind the brew chamber. Follow the directions below to service:



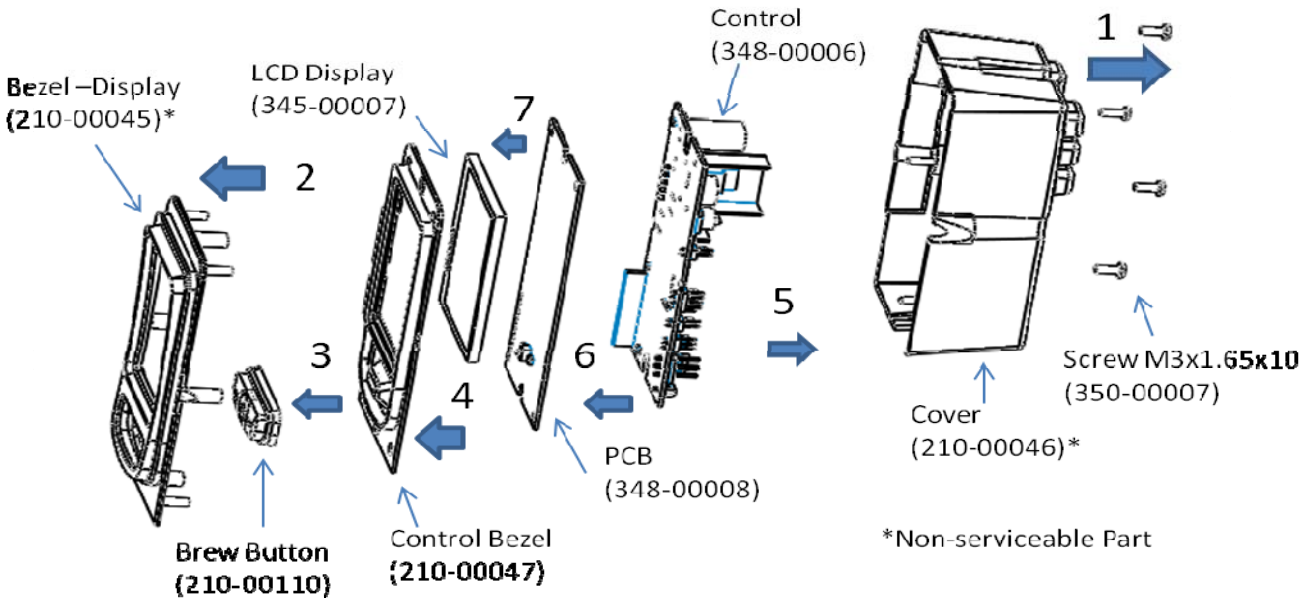
5g) Access to the electronics module:

a) Loosen the upper screw (pointing to 1) and pull the clamp up. This will allow you to remove the clamp and the electronic housing.



*Non-serviceable Part

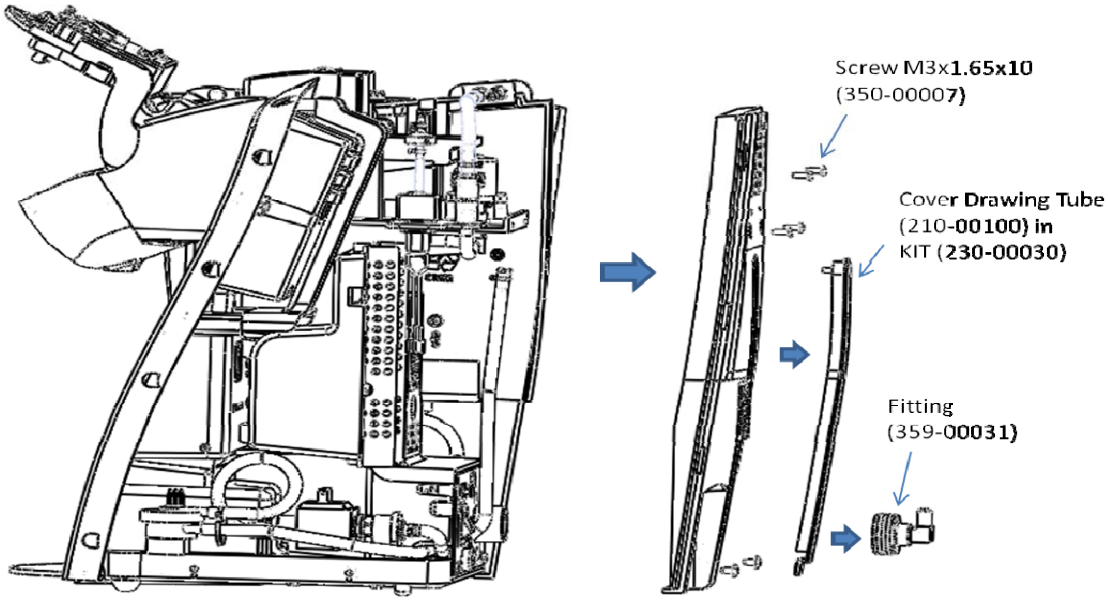
b) Remove the four screws on the back of the electronics module. This will give you access to all the components in this module.



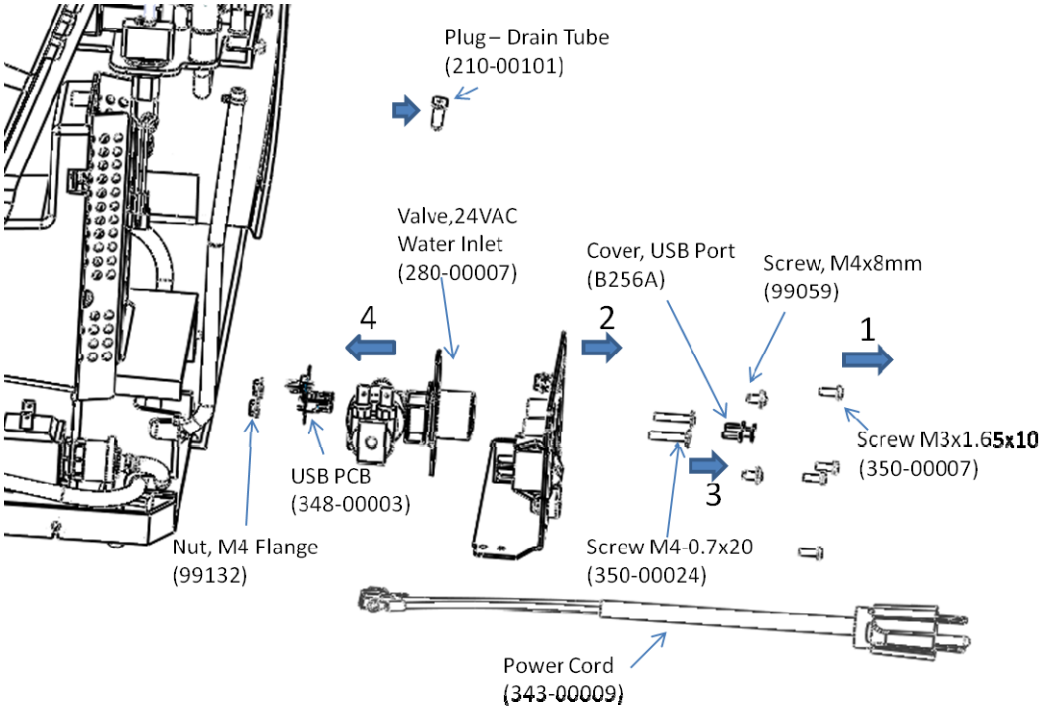
Reverse sequence to reassemble unit.

Servicing (continued):

6) Servicing the water inlet valve, the USB board, and the power cord.
In order to gain access to these parts, you will have to follow the sequence below:



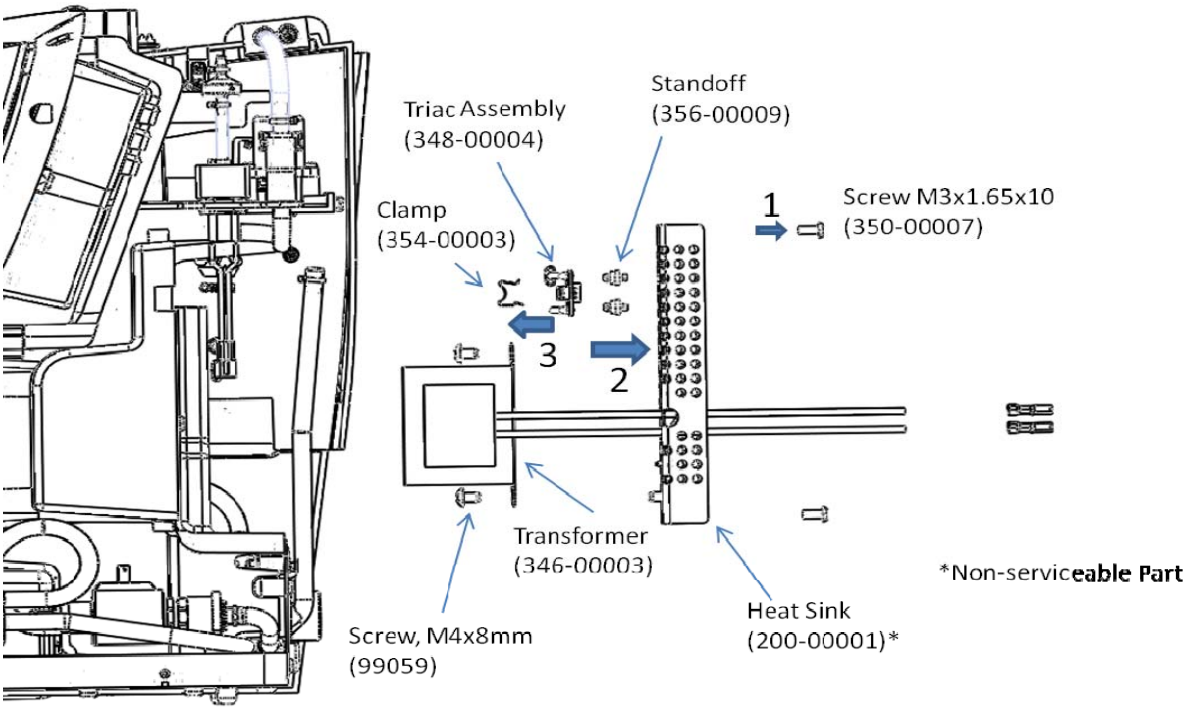
6a) Servicing the water inlet valve, the USB board, and the power cord.
Follow the sequence outlined below to gain access to these components. Reverse order for reassembly.



Servicing (continued):

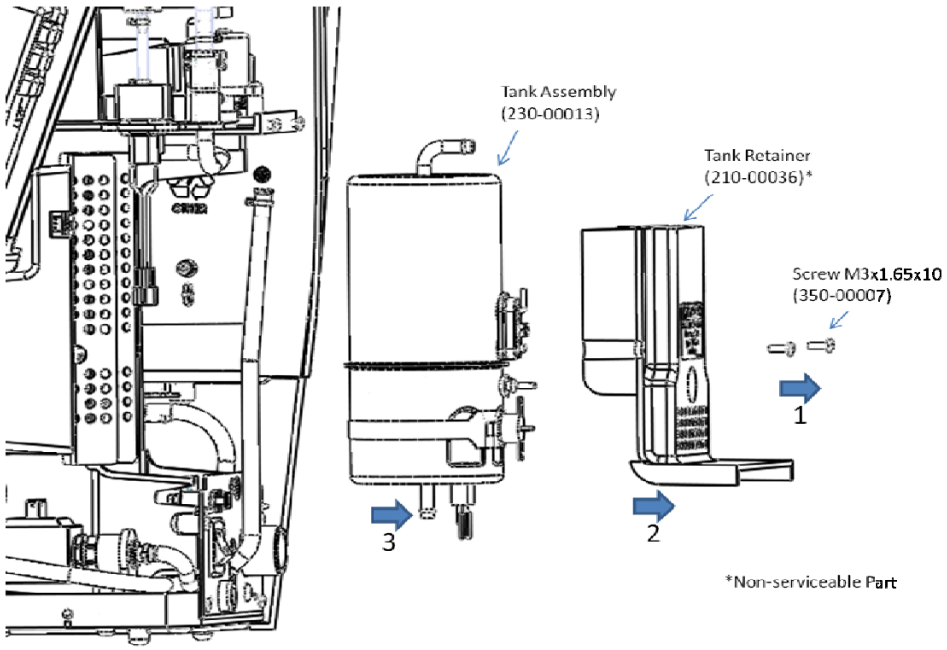
6b) Servicing the Triac assembly and the Transformer

Follow the sequence outlined below to gain access to these components. Reverse order for reassembly.



6c) Servicing the Tank Assembly

Follow the sequence outlined below to gain access to the Tank Assembly. Cut the strain relief straps on the upper and lower hoses, pull hoses from tank, and disconnect all wiring. Reverse order for reassembly. Replace all strain relief straps. Turn brewer on, purge, and check for leaks.



Cleaning and Maintenance

⚠ **WARNING** Brew probes are sharp. To prevent injury, do not place fingers inside the brew chamber. To reduce foreign material from entering the brewer, keep brew chamber and reservoir lids closed.

Cleaning:
NOTE: When cleaning the unit, do not use cleansers, liquid bleach, powders, or any other substance that contains chlorine. These products promote degradation of plastic parts. Use of these products will void the warranty.

Empty the drip tray and reservoir tank as needed and wash in a solution of dish detergent and water, rinse thoroughly.
All external parts can be cleaned with a soft, damp cloth. Do not use any abrasives. They will scratch the external surfaces. Do not immerse machine in water. Do not place brewer into a dishwasher.

Draining: This action will clear water from the brewer.
Power off brewer. Allow brewer to cool. Close water supply valve (Auto-Fill only) and disconnect water line.
Remove and empty reservoir.
Place a cup under the brew chamber, hold down reservoir detection switch and start a brew sequence.
Continue brew sequence until water stops flowing into the cup or until *Water Flow Error* is displayed.
Remove back panel, uncap drain line and drain tank. Recap and replace back panel.

Descaling:
1. Close water supply valve (Auto-Fill models only), empty reservoir, empty brew chamber.
2. Fill reservoir with 72 oz. of distilled white vinegar.
3. Using the 12 oz. cycle, operate brewer until "Fill Reservoir" notification appears.
4. Power off brewer – Empty reservoir and rinse thoroughly. Allow brewer to remain off for **3 hours** before performing Step 5.
5. Remove back panel, uncap and drain tank. Recap and replace back panel.
6. Fill reservoir with fresh water and return to brewer.
7. Flush brew chamber with 12 oz, of fresh water. Close brew chamber when finished.
8. Power on brewer, open water supply valve (Auto-Fill models only).
9. Follow on screen instructions and prime brewer.
10. Proceed with 12 oz brews until water returns to normal smell and taste.
11. Allow system to refill automatically with plumbing.

Troubleshooting

The table below lists probable causes and solutions for the most common issues that may be encountered during operation of the Single Cup Brewer.

⚠ **WARNING**

Disconnect power to electrical equipment any type service of brewer is required.
Make sure that brewer is unplugged before servicing.
If electrical testing is required, proceed with extreme caution.
If brewer requires disassembly, make sure that all parts are properly replaced and that all tags and/or safety labels are replaced as well.
Brew probes are sharp. To prevent injury, do not place fingers inside the brew chamber.

Troubleshooting (continued):

PROBLEM	SOLUTION
No power	Verify unit is plugged to a 120V/15 amp rated outlet and power switch in the ON position.
Time to fill longer than expected	1. Make sure water is turned on. 2. Make sure water pressure is above 20 PSI 3. Clean out any debris at the water inlet behind the brewer. 4. Make sure power is reaching solenoid valve and that the solenoid valve is working. Replace solenoid if necessary.
Refill water tank (Pour-Over model ONLY)	Add water to proper level on reservoir.
Refill water tank (Auto-Fill model ONLY)	Make sure that the water shut off valve is opened.
Brew volume is less than normal	Adjust volume of beverage on screen. If error persists, perform descaling procedure.
Water drips from machine when not brewing	Ensure reservoir tank is not filled above maximum fill level. Perform descaling procedure.
Water drips from machine (Pour-Over model ONLY).	If Pour-Over model, ensure the water inlet valve is capped with the cap that has been provided with the brewer.
Water leaks from machine while brewing	Remove drain tube cover and verify that the drain line is properly plugged
Will not sense unit is primed	Water conductivity is too low for level sensing circuit. Do not use RO, DI or distilled water.
Unit will not heat	Hi-limit tripped. Check and repair heating circuit to determine fault before resetting hi-limit thermostat. Check level probe has not shorted to tank to allow dry-fire. Triac failure.
Unit overheats or boils	Temperature set point too high. Reduce temperature set point at least 5 degrees and re-check.
Capsule ruptures	1. Clogged outlet. Clean outlet probe with a paper clip and rinse thoroughly. 2. Faulty capsule seal. Determine if isolated to specific product capsules. 3. Sticking pressure bypass valve. Lubricate seal and ball with food grade silicone lubricant. 4. Faulty capsule seals. 5. Soluble capsule product is not compatible with brewer. Determine if isolated to specific product capsules. 6. Capsule holder is not snapped into carrier correctly. Ensure capsule holder is completely secured onto carrier.
Clear or weak coffee is dispensed	1. Pressure bypass is leaking or stuck open. 2. Upper inlet probe is clogged. Gently insert a paper clip into probe with caution not to disturb duckbill check valve; run a water cycle to clear the probe.

PROBLEM	SOLUTION
Water is leaking from unit when dispensing	1. Faulty air pump check valve. 2. Drain tube plug is not installed. 3. Internal leak in plumbing circuit. Remove panels and observe for signs of leakage (water drops or residual calcium deposits)
Display indicates replace reservoir	Reservoir not installed properly. Ensure reservoir is installed flush with left side of brewer to ensure engagement of presence switch.
Display indicates low or no water.	1. Missing level float in reservoir. Replace float in reservoir. 2. Water supply turned off to machine. Restore water supply to machine. 3. Machine is waiting manual refill. Refill reservoir manually.
Brew chamber opens while brewing	1. Capsule holder is not snapped into carrier correctly. Ensure capsule holder is completely snapped into carrier. 2. Brew chamber was not fully latched. Ensure the latch is snapped into position during closure.

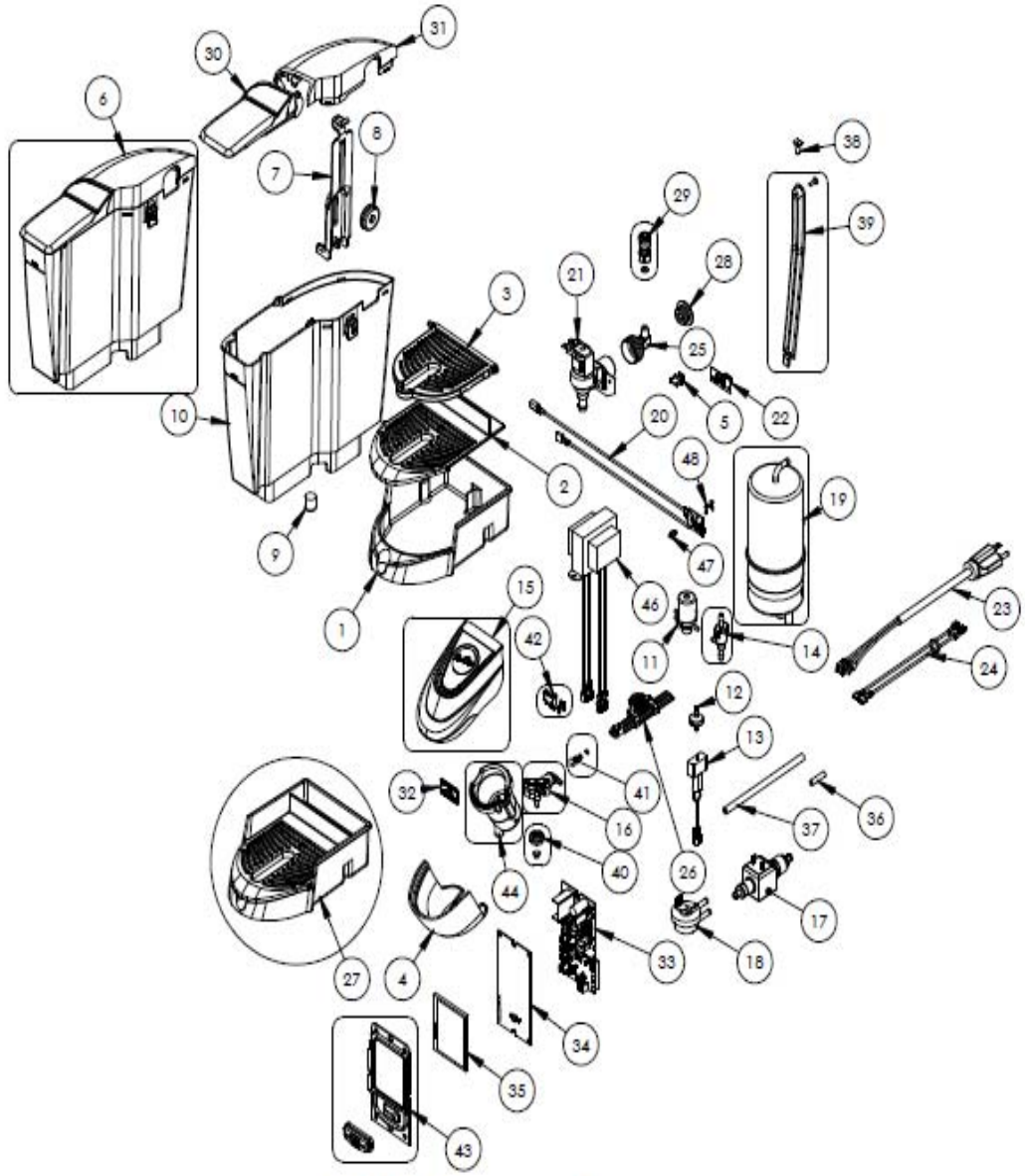
Error Codes

Engineering Department
Erros codes for Mother Parker's Single Cup Brewer

TO BE PERFORMED BY QUALIFIED SERVICE TECHNICIAN

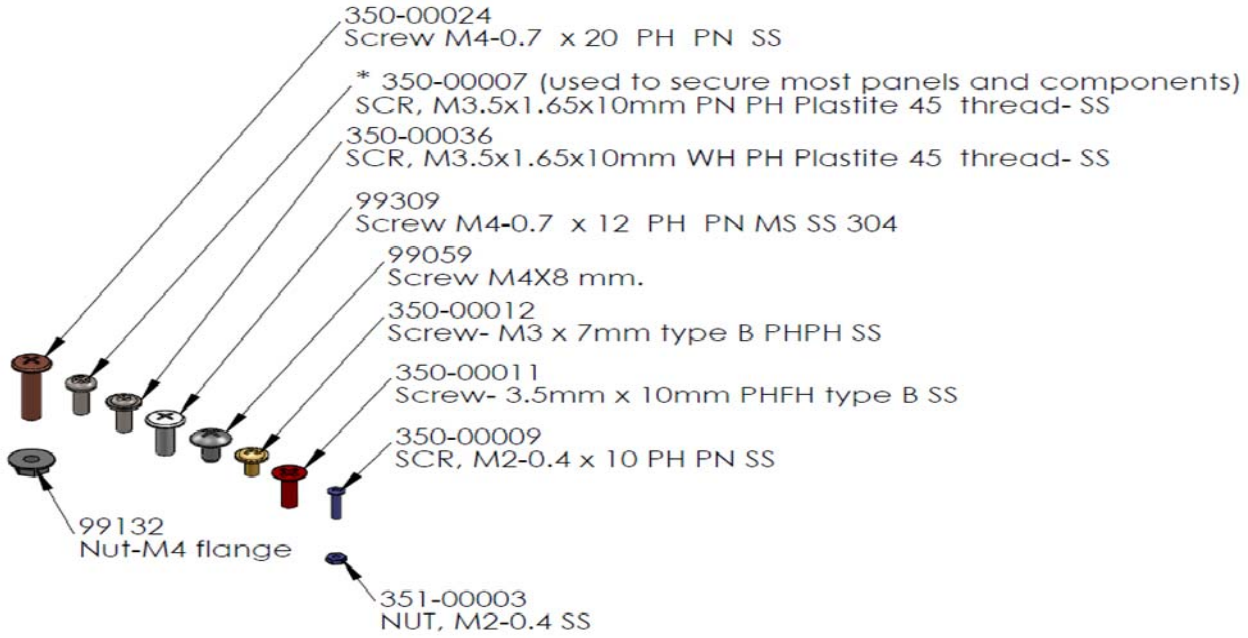
QR code	SOURCE PROBLEM	PROBABLE CAUSE	CORRECTIVE ACTION
1	Tank Heat timeout	Heater failure	Measure resistance across heater leads. If open, replace tank assembly.
		Harness opens	Check conductivity between heater leads and board. Replace if needed.
		Triac board failure	Replace triac board
		Limit switch open	Replace tank assembly
		Control board failure	Replace control board
2	No / low water flow	Pump failure	Apply 24VAC to pump to check operation. Replace if needed.
		Harness opens	Check conductivity between pump leads and board. Replace if needed.
		Control board failure	Replace control board
3	Tank Over- Temperature	Scale build up in tank assembly	Delime tank or replace tank if needed.
		Triac board failure	Replace triac board
		Use of hot water in reservoir	Check user interaction
		Hot water bypassing into reservoir while brewing	Check high pressure bypass check valve. Pull tube off of top of tank and blow air towards reservoir. If air comes out, replace. Pressure is 11PSI nominal.
4	Open thermistor	Brewer will not operate at all	Check thermistor harness connection. Measure thermistor resistance 30K @ 75F. Replace tank assembly if needed.
5	General fault	Various	Check latest service materials on website

Spare Parts List



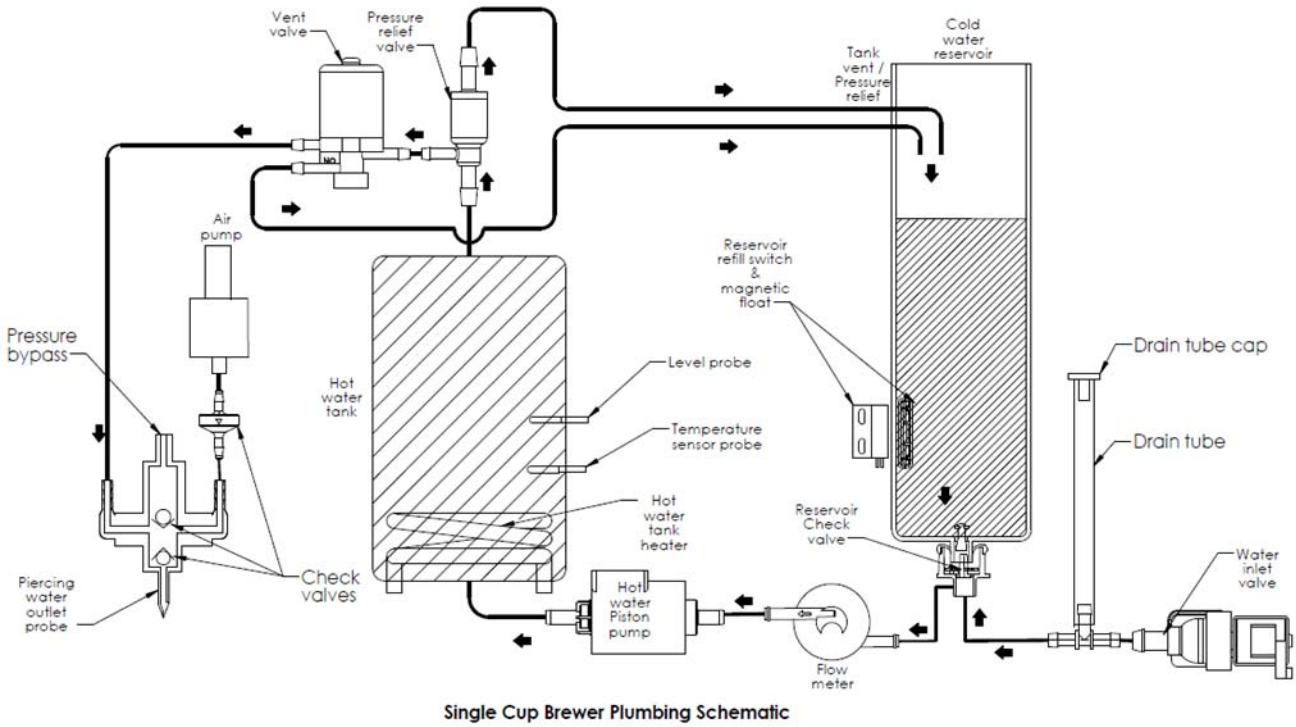
See Part numbers on the next page

ITEM NO.	PART NUMBER	DESCRIPTION
1	210-00030	Drip Tray- single Cup
2	210-00031	GRID- SINGLE CUP
3	230-00004	Flip down grid sub-assembly
4	210-00004	Bezel
5	B256A	COVER, USB PORT
6	230-00001	Reservoir sub-assembly
7	210-00052	Float guide
8	230-00021	Float assembly
9	280-00001	VALVE, DW15 CHECK
10	210-00051	Reservoir
11	280-00004	Valve, 3-way 24vac
12	280-00005	VALVE, 1/8 X 1/8 BARB CHECK
13	310-00000	Air Pump, 6vdc micro
14	230-00019	Relief valve sub-assembly
15	230-00010	Mechanism cover
16	230-00016	Probe holder assembly
17	310-00002	Pump
18	344-00002	FLOWMETER
19	230-00013	Tank assembly-single cup
20	348-00004	Triac assembly - Single cup
21	280-00007	VALVE, 24VAC WATER INLET
22	348-00003	USB PCB
23	343-00009	Power Cord- 16-3 SJT NEMA 5-15P
24	343-00017	Harness-Single cup heater
25	359-00031	FITTING, ASSY, 1/4 FL X 3/4 HS, SS
26	356-00004	DAMPER, LINEAR
27	230-00028	Kit, Single Cup drip tray & gr
28	210-00235	Cap, Molded inlet valve
29	230-00029	Kit, Inlet fitting and flare washer
30	210-00230	Reservoir rotating lid-NSF
31	210-00233	Reservoir stationary cover
32	380-00068	LABEL, WARNING, HOT LIQUID
33	348-00006	Control-Single Cup Brewer
34	348-00008	PCB- Single Cup display
35	345-00007	LCD display- capacitive 3.5"
36	362-00000	TUBING, 1/8" ID X 1/4" OD
37	362-00001	TUBING, 3/16" ID X 5/16" OD
38	210-00101	Plug- drain tube
39	230-00030	Kit, Single Cup drain cover &
40	230-00031	Kit, capsule seals
41	230-00032	Kit, Bypass seal, ball, spring
42	346-00003	Transformer, 40va 120/24 vac
43	356-00009	Standoff-0.156 dia hole x 3/16
44	354-00003	CLAMP, TO-220 HEAT SINK
45	230-00015	Capsule holder sub-assembly


350-00024
Screw M4-0.7 x 20 PH PN SS
* 350-00007 (used to secure most panels and components)
SCR, M3.5x1.65x10mm PN PH Plastite 45 thread- SS
350-00036
SCR, M3.5x1.65x10mm WH PH Plastite 45 thread- SS
99309
Screw M4-0.7 x 12 PH PN MS SS 304
99059
Screw M4X8 mm.
350-00012
Screw- M3 x 7mm type B PHPH SS
350-00011
Screw- 3.5mm x 10mm PHFH type B SS
350-00009
SCR, M2-0.4 x 10 PH PN SS
99132
Nut-M4 flange
351-00003
NUT, M2-0.4 SS

Fastener list

Single Cup Brewer Plumbing Diagram



Single Cup Brewer Plumbing Schematic

Single Cup Brewer Wiring Diagram